

## Abbisko ESMO & AACR-NCI-EORTC Updated Data

Oct,2023

#### Agenda

Opening Remarks & Summary

- Irpagratinib (ABSK011) &ABSK043 Oral PD-L1
- ABSK131-PRMT5/MTA

Closing Remarks & Outlook



Dr. Yao-Chang Xu



Dr. Jing Ji



Dr. Hongping Yu



Dr. Yao-Chang Xu

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Q&A

### Irpagratinib (ABSK011), ABSK043 (Oral PD-L1), &ABSK131 (PRMT5\*MTA) Highlights

#### Irpagratinib (ABSK011)

- HCC~1m in Global and ~0.5m in China, FGF19+ HCC: ~30% of all HCC, with huge unmet medical needs
- Superior efficacy and safety were observed (ESMO 2023) in Phase Ib clinical trial, with BID (twice daily) dosing ORR 40.7% and most TRAEs being level 1-2
- Advance to pivotal study for 2L HCC in 2024, potential FIC/BIC

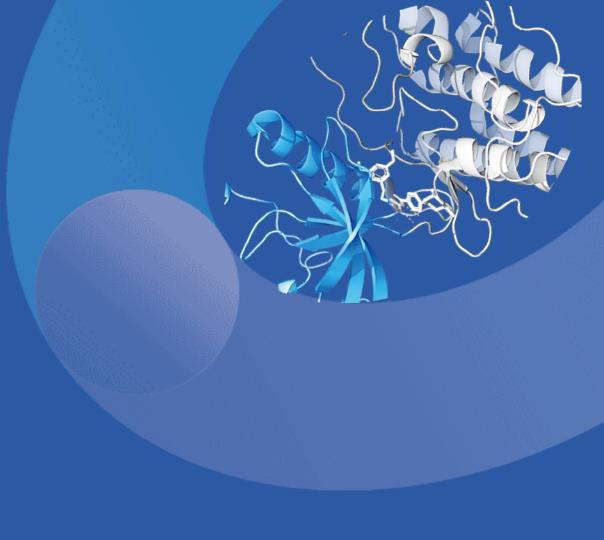
#### ABSK043 (Oral PD-L1)

- According to the IQVIA report, the total market of PD-1/L1 ~\$58 billion, and 80% of PD-L1 market could be amenable to oral small molecule inhibitor
- Oral PD-L1 small-molecule has a blockbuster market potential, with improved access and convenience, better safety from limited immunogenicity and enhanced efficacy from better tissue penetration, and lower manufacturing costs
- ABSK043's Phase la study ongoing in Australia and China, and preliminary efficacy and safety data readout in Australia's escalation trial was released in Oct 2023 ESMO, with ORR ~27%

#### ABSK131 (PRMT5\*MTA)

- 10~15% of all human cancers have MTAP deletion and MRTX1719 potentially contributes more than \$1Bn value in recent BMS-Mirati acquisition deal
- Our Development of selective 2<sup>nd</sup>-gernation PRMT5\*MTA inhibitor may improve therapeutic efficacy and safety. IND filing of the first candidate expected in 2024

## Irpagratinib(ABSK011) ESMO Data Updated

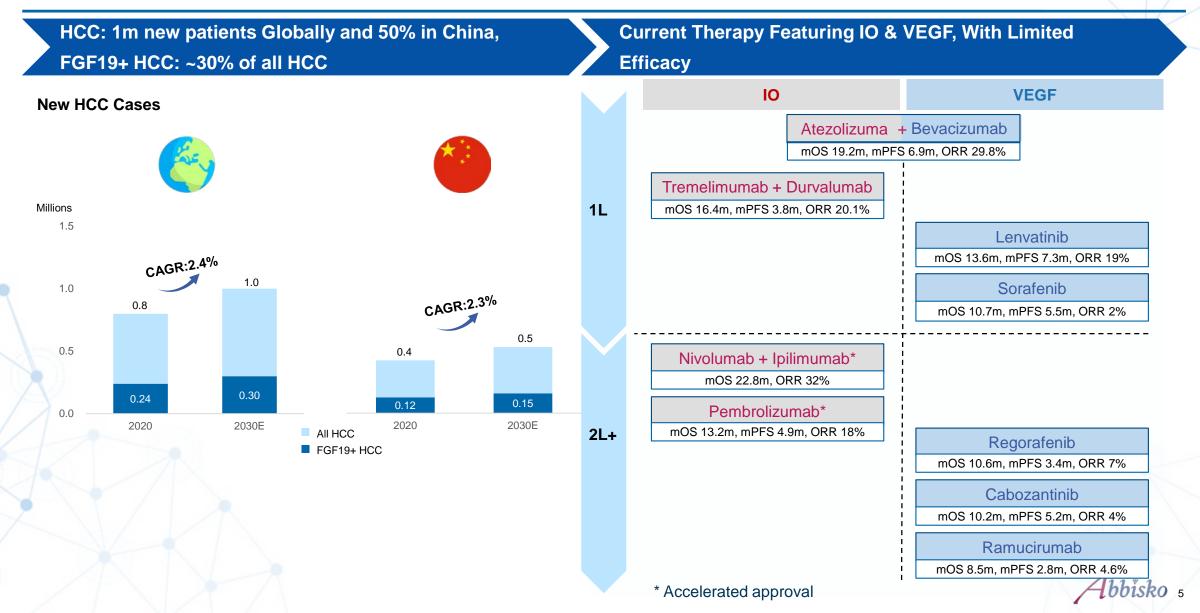


## Irpagratinib (ABSK011) Summary

| Î           | Treatable population | Aberrant FGF19-FGFR4 pathway alterations occur <b>in &gt;300K</b> liver cancer patients worldwide   |
|-------------|----------------------|---|
|             | Unmet<br>needs       | High unmet needs remain in the current HCC treatment paradigm with limited types of therapeutic options and short PFS and overall survival.   |
|             | MoA and competition  | <ul> <li>Several FGFR4 inhibitors have demonstrated clinical PoC, but face significant challenges in efficacy and safety.</li> <li>Limited clinical efficacy likely due to sub-optimal dose and insufficient target inhibition</li> <li>Safety concerns (43% TRAE &gt;=G3 TRAE for fisogatinib)</li> </ul>  |
| H<br>C<br>C | Asset<br>profile     | <ul> <li>Irpagratinib is a potential first/best-in-class FGFR4 inhibitor in phase lb/II clinical trials:</li> <li>Improved on-target activity and overall drug-like properties (e.g. PPB, solubility)</li> <li>Improved human PK profile indicating more completed target modulation</li> <li>Broad combination potential demonstrated by preclinical translational research results</li> <li>Promising efficacy and safety profile observed from ongoing phase lb study (ESMO 2023), BID dosing group ORR 40.7%</li> </ul> |

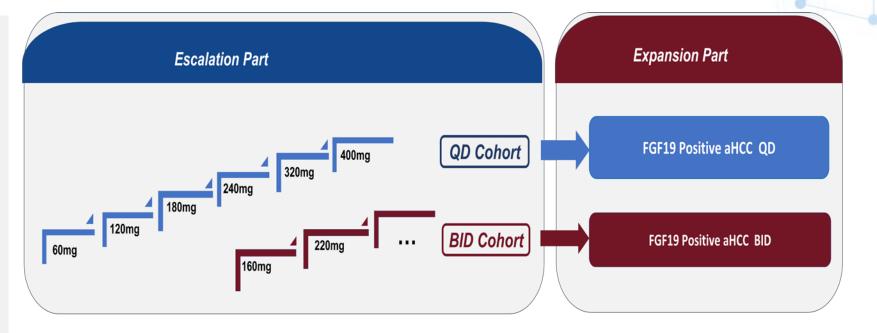


### HCC: High Unmet Medical Needs from High Incidence Rate and Limited Treatment Options



## Irpagratinib (ABSK011) Clinical Trial Design

- Age 18-75 years
- Histologically or cytologically confirmed patients with advanced solid tumors who have failed standard therapy or are intolerant;
- Advanced HCC patients also need to meet:
  - BCLC stage B or C
  - Child score 5-6
- Expansion phase: Progression or intolerance following previous firstline systemic therapy, FGF19 overexpression



- The escalation part evaluates the safety, tolerability, PK, and recommended dose of expansion (RDE) of oral ABSK-011 in pts with advanced solid tumors, including FGF19+ advanced HCC. The expansion part is to further evaluate safety, tolerability and efficacy in pts with FGF19+ advanced HCC.
- Dose escalation of oral ABSK-011 is guided by "3+3" escalation rules based on safety data until a Maximum Tolerable Dose (MAD) has been identified.
- ABSK-011 was given QD or BID orally in 28-day cycles.

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#### Irpagratinib (ABSK011) Phase I Study of Patient Baseline Characteristics

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| Patient baseline characteristics |                  |           |                  |                  |                 |           |  |
|----------------------------------|------------------|-----------|------------------|------------------|-----------------|-----------|--|
|                                  |                  | QD        |                  | Overall          |                 |           |  |
| All Patients                     |                  | (N=48)    | 160 mg<br>(N=20) | 220 mg<br>(N=10) | Total<br>(N=30) | (N=78)    |  |
| Median Age, yea                  | ars              | 54.0      | 53.5             | 51.5             | 52.5            | 53.5      |  |
| Male sex, n(%                    | )                | 39 (81.3) | 17 (85.0)        | 9 (90.0)         | 26 (86.7)       | 65 (83.3) |  |
| ECOG PS 1, n(                    | %)               | 34 (70.8) | 15 (75.0)        | 5 (50.0)         | 20 (66.7)       | 54 (69.2) |  |
|                                  |                  | QD        |                  | BID              |                 | Overall   |  |
| HCC Patients, r                  | C Patients, n(%) |           | 160 mg<br>(N=20) | 220 mg<br>(N=10) | Total<br>(N=30) | (N=75)    |  |
|                                  | В                | 6 (13.3)  | 2 (10.0)         | 3 (30.0)         | 5 (16.7)        | 11 (14.7) |  |
| BCLC Stage                       | С                | 39 (86.7) | 18 (90.0)        | 7 (70.0)         | 25 (83.3)       | 64 (85.3) |  |
| Viral infection                  | HBV              | 40 (88.9) | 19 (95.0)        | 7 (70.0)         | 26 (86.7)       | 66 (88.0) |  |
| Number of Prior                  | 1                | 13 (28.9) | 7 (35.0)         | 3 (30.0)         | 10 (33.3)       | 23 (30.7) |  |
| Anti-cancer<br>Regimens          | 2                | 13 (28.9) | 5 (25.0)         | 3 (30.0)         | 8 (26.7)        | 21 (28.0) |  |
|                                  | ≥3               | 17 (37.8) | 8 (40.0)         | 3 (30.0)         | 11 (36.7)       | 28 (37.3) |  |
| Prior IO                         | Yes              | 27 (60.0) | 15 (75.0)        | 6 (60.0)         | 21 (70.0)       | 48 (64.0) |  |
| Prior Lenvatinib                 | Yes              | 19 (42.2) | 9 (45.0)         | 6 (60.0)         | 15 (50.0)       | 34 (45.3) |  |
| FGF 19 IHC +                     | Yes              | 30 (66.7) | 20 (100)         | 10 (100)         | 30 (100)        | 60 (80.0) |  |

 Most patients have previously received 2-3 anti-tumor treatments.

- 70% of patients in BID cohorts have received PD-1/PD-L1 treatment, and 50% have received Lenvatinib treatment.
- 100% of patients in BID cohorts are FGF19 IHC+.

#### Tumor Response in Prior Treated FGF19+ HCC Pts by Investigator Assessment (RECIST V1.1)

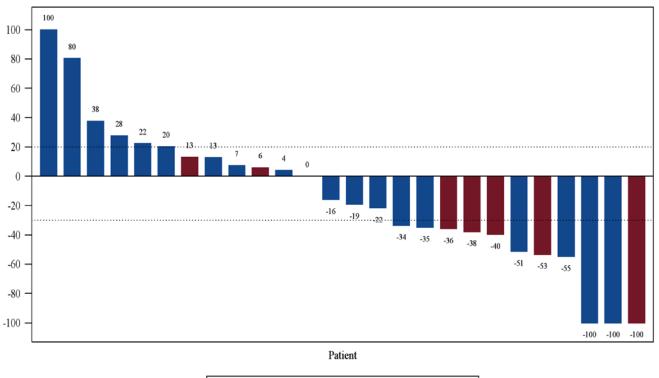
|                                  | QD                  | BID                  |                     |                 |  |  |
|----------------------------------|---------------------|----------------------|---------------------|-----------------|--|--|
| Response                         | 180 mg QD<br>(N=15) | 160 mg BID<br>(N=20) | 220 mg BID<br>(N=7) | Total<br>(N=27) |  |  |
| BOR, n (%)                       |                     |                      |                     |                 |  |  |
| CR                               | 0                   | 1(5)                 | 0                   | 1(3.7)          |  |  |
| PR*                              | 2 (13.3)            | 5 (25)               | 5 (71.4)            | 10 (37.0)       |  |  |
| SD                               | 10 (66.7)           | 6 (30.0)             | 2 (28.6)            | 8 (29.6)        |  |  |
| Overall response rate*, n<br>(%) | 2 (13.3)            | 6 (30.0)             | 5 (71.4)            | 11 (40.7)       |  |  |
| Disease control rate, n (%)      | 12 (80.0)           | 12 (60.0)            | 7 (100.0)           | 19 (70.4)       |  |  |

\* including unconfirmed PR

The preliminary efficacy in FGF19+ HCC pts with prior therapies in BID cohorts:

- **The ORR was 40.7%.** In 26 evaluated patients, 14 observed with tumor shrinkage, including 3 complete response
- Median follow-up was 3.7 m, and mPFS was 3.9 m
  - mPFS in 220 mg BID was not yet mature
- The longest duration of response (DoR) was 9.6 m and mDoR was not yet mature, with 5 of 11 responses ongoing

#### Best Percentage Change in Sum of Diameters of Target Lesions in Prior Treated FGF19+ HCC Pts of BID Cohorts



Dose Regimen 📕 160 mg BID (N=19) 📕 220 mg BID (N=7)

• Two pts obtained an overall response of PR, of whom the target lesions were assessed as CR, the non-target lesions were non-CR/non-PD, and no new lesions were observed.

# Irpagratinib (ABSK011) Demonstrated Superior Clinical Safety Profile, with Low Rate of High-Grade TRAE

#### TEAEs in ≥ 20% Patients

| Grade ≥3 TRAEs i | $n \ge 5\%$ Patients |
|------------------|----------------------|
|------------------|----------------------|

| PT, n (%)                  | QD<br>(N=48) | 160 mg<br>(N=20) | 220 mg<br>(N=10) | Total<br>(N=30) | Overall<br>(N=78) |
|----------------------------|--------------|------------------|------------------|-----------------|-------------------|
| Any TEAEs                  | 48 (100)     | 20 (100)         | 10 (100)         | 30 (100)        | 78 (100)          |
| Diarrhoea                  | 35 (72.9)    | 15 (75.0)        | 7 (70.0)         | 22 (73.3)       | 57 (73.1)         |
| ALT increased              | 31 (64.6)    | 15 (75.0)        | 9 (90.0)         | 24 (80.0)       | 55 (70.5)         |
| AST increased              | 26 (54.2)    | 11 (55.0)        | 8 (80.0)         | 19 (63.3)       | 45 (57.7)         |
| Hyperphosphataemia         | 17 (35.4)    | 11 (55.0)        | 4 (40.0)         | 15 (50.0)       | 32 (41.0)         |
| Blood bilirubin increased  | 20 (41.7)    | 8 (40.0)         | 4 (40.0)         | 12 (40.0)       | 32 (41.0)         |
| Platelet count decreased   | 8 (16.7)     | 7 (35.0)         | 5 (50.0)         | 12 (40.0)       | 20 (25.6)         |
| Total bile acids increased | 11 (22.9)    | 4 (20.0)         | 2 (20.0)         | 6 (20.0)        | 17 (21.8)         |

| PT, n (%)     | QD<br>(N=48) | 160 mg<br>(N=20) | 220 mg<br>(N=10) | Total<br>(N=30) | Overall<br>(N=78) |
|---------------|--------------|------------------|------------------|-----------------|-------------------|
| ≥ G3 TRAEs    | 18 (37.5)    | 3 (15.0)         | 2 (20.0)         | 5 (16.7)        | 23 (29.5)         |
| AST increased | 7 (14.6)     | 1 (5.0)          | 0                | 1 (3.3)         | 8 (10.3)          |
| ALT increased | 7 (14.6)     | 0                | 0                | 0               | 7 (9.0)           |
| Diarrhoea     | 3 (6.3)      | 1 (5.0)          | 1 (10.0)         | 2 (6.7)         | 5 (6.4)           |

2 pts experienced dose-limiting toxicities at 400 mg QD dose group:

– G3 hypokalemia;

- G3 diarrhea/ALT increased/hyperbilirubinemia and G4 AST increased.

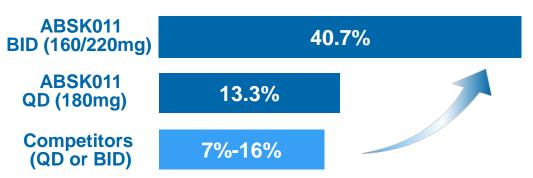
The most common TEAE were diarrhea, ALT increased, AST increased.

G3/4 TRAEs occurred in 29.5% of all pts (16.7% in BID) with only 1 G4 event (AST increased).

No G5 TRAE was reported.

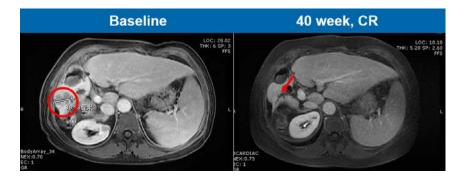
## Irpagratinib (ABSK011) Promising Efficacy and Superior Clinical Safety Profile

Promising efficacy in prior treated HCC patients with FGF19 overexpression



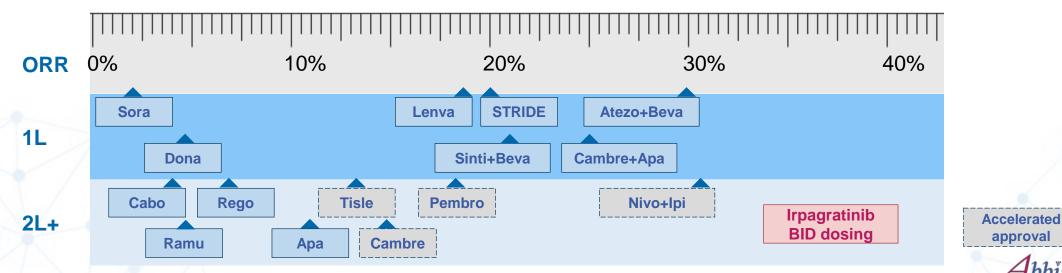
#### Overall Response Rate (%)

**Complete Response (CR) Observed** 

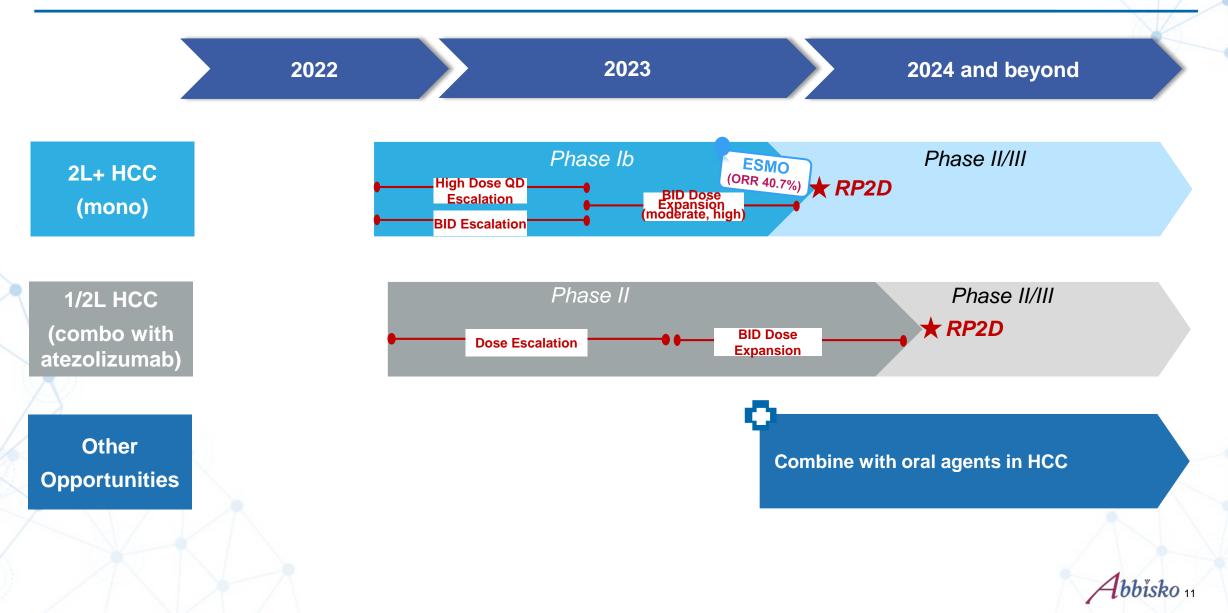


bbisko 10

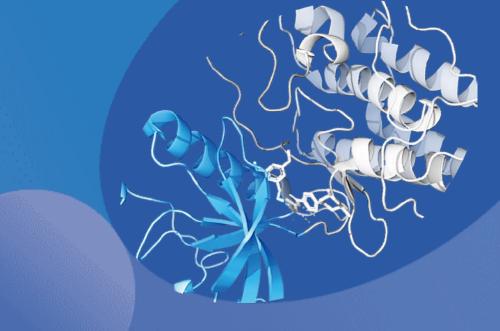
Overall Response Rate (ORR) compared to approved treatment of HCC



#### **Future Development Plan for Irpagratinib (ABSK011)**



## ABSK043, New Oral PD-L1 Inhibitor



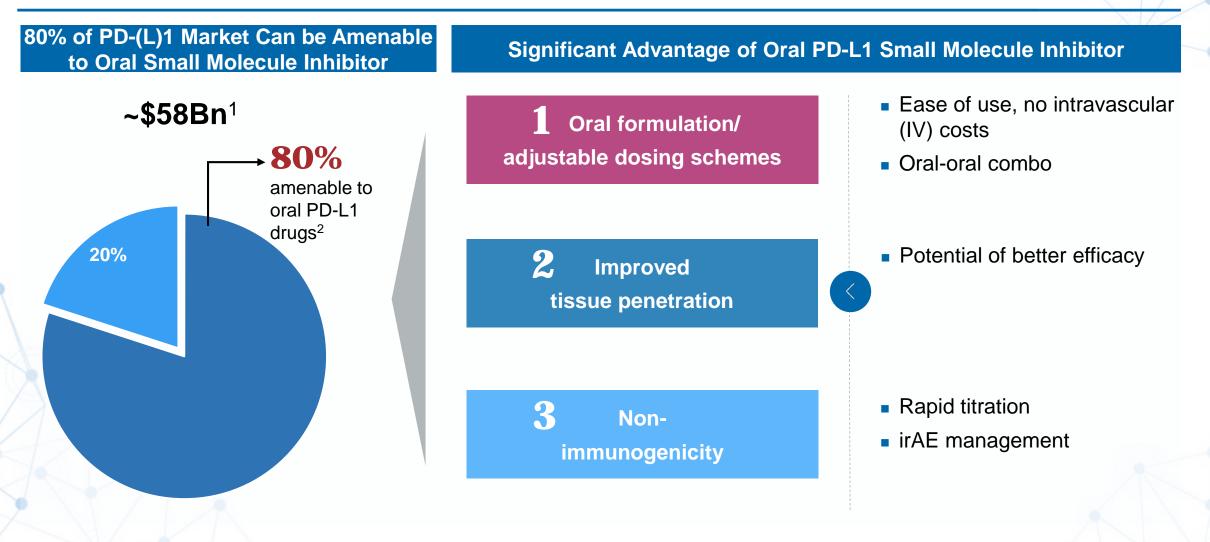
Abbisko Therapeutics Co., Ltd.

## **ABSK043 Summary**

| Unmet needs              | <ul> <li>PD-(L)1 immunotherapy represents significant market opportunity. However, clinical unmet needs remain in:</li> <li>Low efficacy and clinical benefits in majority of cancer types</li> <li>irAE management associated with long half life of antibodies</li> <li>Limited access and others</li> </ul>  |
|--------------------------|---|
| Oral PD-L1<br>advantages | <ul> <li>Oral PD-L1 small molecule inhibitors (SMI) offer potential advantages in:</li> <li>Better safety mgmt. due to dynamic dosing regime and PK exposure</li> <li>Enhanced efficacy with limited immunogenicity (e.g., ADA) and better tissue penetration</li> <li>Improved access and convenience</li> </ul>   |
| Preclinical<br>profile   | <ul> <li>ABSK043 is a highly potent and selective PD-L1 SMI with excellent preclinical properties:</li> <li>Superior in vitro potency and safety profile than INCB-86550</li> <li>Comparable in vivo efficacy as PD-L1 mAb in pre-clinical models</li> <li>1<sup>st</sup> PD-L1 SMI demonstrated combination synergy with other agents</li> </ul>   |
| Development<br>status    | <ul> <li>ABSK043 is currently at clinical phase I clinical trial</li> <li>Dose escalation ongoing in Australia</li> <li>China IND approved, and phase Ia study ongoing</li> <li>FIH preliminary efficacy and safety data readout was released in Oct 2023 ESMO – multiple PRs, ORR ~279</li> <li>CMC development completed to support expanded clinical trials</li> <li>Back-up candidates are under development, e.g., ABSK044, a brain-penetrant PD-L1 SMI</li> </ul> |



#### **Oral PD-L1 Small-molecule Has a Blockbuster Market Potential**



1. IQVIA White Paper-In the Eye of the Storm: PD-(L)1 Inhibitors Weathering Turbulence, 2022; 2. Based on Incyte company presentation, and with the assumption that oral PD-1 will be most likely to capture PD-(L)1 market in the mono therapy and combination setting with another oral agent, but not in combination with other injectables as this regimen still requires in-office visit

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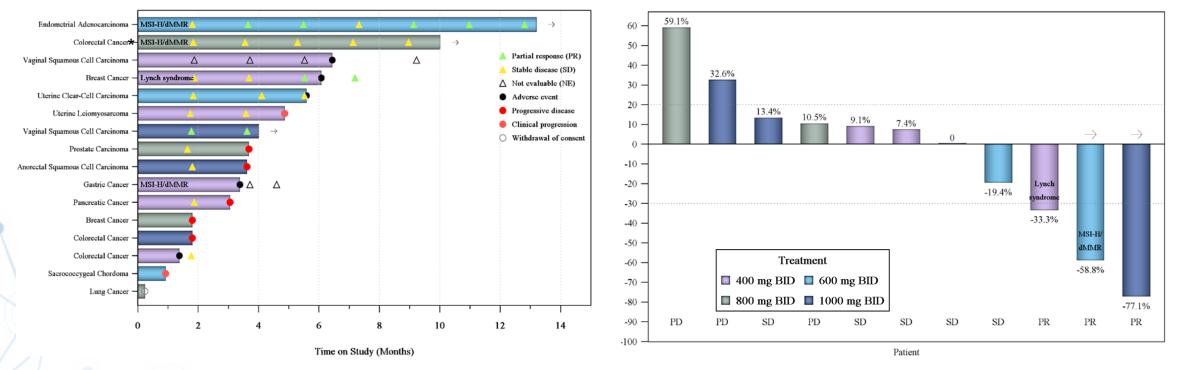
### **ABSK043 Phase I Clinical Trial Design**

therapy

This FIH study evaluated the safety, tolerability, PK, PD, and preliminary efficacy of ABSK043 in Australian pts.

**Escalation Part** Age ≥18 years 1000mg BID (N=3) patients must have histologically confirmed 800mg BID (N=4) solid tumors that have progressed on or Expansion 600mg BID (N=3) intolerant to standard Part 400mg BID (N=6) ECOG score 0–1 400mg QD (N=3) 200mg QD (N=3)

#### **ABSK043 Promising Efficacy Profile in Preliminary Clinical Trial**



#### Time on Treatment and Response

Among 16 patients from BID dosing cohorts, ORR ~27% (11 tumor responses could be evaluated and 3 IO-naïve patients reached objective response)

- One endometrial carcinoma patient with MSI-H/dMMR (600mg BID) achieved confirmed partial response (PR) and has been on treatment for over 1 year
- Another breast cancer patient with Lynch syndrome (400mg BID) confirmed PR although discontinued due to Gr2 rash
- The third patient with vaginal squamous cell carcinoma treated 1000mg BID obtained confirmed PR (-77%) and is still on treatment

Best Percentage Change in Sum of Diameters of Target Lesions

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### **ABSK043 Superior Clinical Safety Profile**

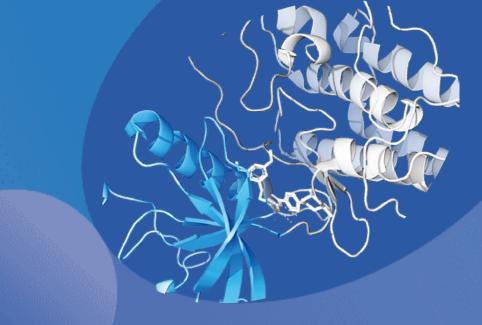
| Preferred Term (PT)(N=6)(N=16)(N=22)(N=22)(N=27)TRAE $2(33.3\%)$ $9(56.2\%)$ $11(50.0\%)$ $2(9.1\%)$ $1(4.5\%)$ Nausea0 $3(18.7\%)$ $3(13.6\%)$ 00Rash $1(33.3\%)$ $2(12.5\%)$ $3(13.6\%)$ 00Decreased appetite $1(33.3\%)$ $1(6.25\%)$ $2(9.1\%)$ 00Diarrhoea0 $2(12.5\%)$ $2(9.1\%)$ 00Amylase increased0 $1(6.25\%)$ $1(4.5\%)$ 00Arthralgia0 $1(6.25\%)$ $1(4.5\%)$ 00Fatigue0 $1(6.25\%)$ $1(4.5\%)$ 00Hyperbilirubinaemia $1(33.3\%)$ 0 $1(4.5\%)$ $1(4.5\%)$ $1(4.5\%)$ Lipase increased0 $1(6.25\%)$ $1(4.5\%)$ $0$ 0Myalgia0 $1(6.25\%)$ $1(4.5\%)$ $0$ 0Nutropenia#0 $1(6.25\%)$ $1(4.5\%)$ $0$ 0Pruritus0 $1(6.25\%)$ $1(4.5\%)$ $0$ 0Druitus0 $1(6.25\%)$ < | All drug-related adverse events    |          |          |           |         |         |  |  |  |  |
|---|------------------------------------|----------|----------|-----------|---------|---------|--|--|--|--|
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $  | QD BID Any Grade $Grade \ge 3$ SAE |          |          |           |         |         |  |  |  |  |
| Nausea0 $3(18.7\%)$ $3(13.6\%)$ 00Rash $1(33.3\%)$ $2(12.5\%)$ $3(13.6\%)$ 00Decreased appetite $1(33.3\%)$ $1(6.25\%)$ $2(9.1\%)$ 00Diarrhoea0 $2(12.5\%)$ $2(9.1\%)$ 00Amylase increased0 $1(6.25\%)$ $1(4.5\%)$ 00Arthralgia0 $1(6.25\%)$ $1(4.5\%)$ 00Fatigue0 $1(6.25\%)$ $1(4.5\%)$ 00Hyperbilirubinaemia $1(33.3\%)$ 0 $1(4.5\%)$ 00Hyperthyroidism*0 $1(6.25\%)$ $1(4.5\%)$ $1(4.5\%)$ $1(4.5\%)$ Lipase increased0 $1(6.25\%)$ $1(4.5\%)$ 00Myalgia0 $1(6.25\%)$ $1(4.5\%)$ 00Pruritus0 $1(6.25\%)$ $1(4.5\%)$ 00ESR increased0 $1(6.25\%)$ $1(4.5\%)$ 00Tachycardia0 $1(6.25\%)$ $1(4.5\%)$ 00O $1(6.25\%)$ $1(4.5\%)$ 000ESR increased0 $1(6.25\%)$ $1(4.5\%)$ 00Tachycardia0 $1(6.25\%)$ $1(4.5\%)$ 00O $1(6.25\%)$ $1(4.5\%)$ 00O $1(6.25\%)$ $1(4.5\%)$ 00O $1(6.25\%)$ $1(4.5\%)$ 00O $1(6.25\%)$ $1(4.5\%)$ $0$ 0   | Preferred Term (PT)                | (N=6)    | (N=16)   | (N=22)    | (N=22)  | (N=22)  |  |  |  |  |
| Rash $1(33.3\%)$ $2(12.5\%)$ $3(13.6\%)$ $0$ $0$ Decreased appetite $1(33.3\%)$ $1(6.25\%)$ $2(9.1\%)$ $0$ $0$ Diarrhoea $0$ $2(12.5\%)$ $2(9.1\%)$ $0$ $0$ Amylase increased $0$ $1(6.25\%)$ $1(4.5\%)$ $0$ $0$ Arthralgia $0$ $1(6.25\%)$ $1(4.5\%)$ $0$ $0$ Fatigue $0$ $1(6.25\%)$ $1(4.5\%)$ $0$ $0$ Hyperbilirubinaemia $1(33.3\%)$ $0$ $1(4.5\%)$ $0$ $0$ Hyperbilirubinaemia $1(33.3\%)$ $0$ $1(4.5\%)$ $1(4.5\%)$ $1(4.5\%)$ Lipase increased $0$ $1(6.25\%)$ $1(4.5\%)$ $1(4.5\%)$ $1(4.5\%)$ Myalgia $0$ $1(6.25\%)$ $1(4.5\%)$ $0$ $0$ Neutropenia# $0$ $1(6.25\%)$ $1(4.5\%)$ $0$ $0$ Fruritus $0$ $1(6.25\%)$ $1(4.5\%)$ $0$ $0$ Fachycardia $0$ $1(6.25\%)$ $1(4.5\%)$ $0$ $0$ Tachycardia $0$ $1(6.25\%)$ $1(4.5\%)$ $0$ $0$ Thyroiditis* $0$ $1(6.25\%)$ $1(4.5\%)$ $1(4.5\%)$ $1(4.5\%)$ Vomiting $0$ $1(6.25\%)$ $1(4.5\%)$ $0$ $0$  | TRAE                               | 2(33.3%) | 9(56.2%) | 11(50.0%) | 2(9.1%) | 1(4.5%) |  |  |  |  |
| Decreased appetite $1(33.3\%)$ $1(6.25\%)$ $2(9.1\%)$ $0$ $0$ Diarrhoea0 $2(12.5\%)$ $2(9.1\%)$ 0 $0$ Amylase increased0 $1(6.25\%)$ $1(4.5\%)$ 0 $0$ Arthralgia0 $1(6.25\%)$ $1(4.5\%)$ 0 $0$ Fatigue0 $1(6.25\%)$ $1(4.5\%)$ 0 $0$ Hyperbilirubinaemia $1(33.3\%)$ 0 $1(4.5\%)$ $0$ $0$ Hyperthyroidism*0 $1(6.25\%)$ $1(4.5\%)$ $1(4.5\%)$ $1(4.5\%)$ Lipase increased0 $1(6.25\%)$ $1(4.5\%)$ $0$ $0$ Myalgia0 $1(6.25\%)$ $1(4.5\%)$ $0$ $0$ Neutropenia#0 $1(6.25\%)$ $1(4.5\%)$ $0$ $0$ Fachycardia0 $1(6.25\%)$ $1(4.5\%)$ $0$ $0$ Tachycardia0 $1(6.25\%)$ $1(4.5\%)$ $0$ $0$ Torpoiditis*0 $1(6.25\%)$ $1(4.5\%)$ $0$ $0$ Tachycardia0 $1(6.25\%)$ $1(4.5\%)$ $0$ $0$ O $0$ $1(6.25\%)$ $1(4.5\%)$ $0$ $0$  | Nausea                             | 0        | 3(18.7%) | 3(13.6%)  | 0       | 0       |  |  |  |  |
| Diarrhoea0 $2(12.5\%)$ $2(9.1\%)$ 00Amylase increased0 $1(6.25\%)$ $1(4.5\%)$ 00Arthralgia0 $1(6.25\%)$ $1(4.5\%)$ 00Fatigue0 $1(6.25\%)$ $1(4.5\%)$ 00Hyperbilirubinaemia $1(33.3\%)$ 0 $1(4.5\%)$ 00Hyperthyroidism*0 $1(6.25\%)$ $1(4.5\%)$ $1(4.5\%)$ $1(4.5\%)$ Lipase increased0 $1(6.25\%)$ $1(4.5\%)$ 00Myalgia0 $1(6.25\%)$ $1(4.5\%)$ 00Neutropenia#0 $1(6.25\%)$ $1(4.5\%)$ 00Pruritus0 $1(6.25\%)$ $1(4.5\%)$ 00ESR increased0 $1(6.25\%)$ $1(4.5\%)$ 00Tachycardia0 $1(6.25\%)$ $1(4.5\%)$ $0$ 0Thyroiditis*0 $1(6.25\%)$ $1(4.5\%)$ $1(4.5\%)$ $1(4.5\%)$ Vomiting0 $1(6.25\%)$ $1(4.5\%)$ $0$ 0  | Rash                               | 1(33.3%) | 2(12.5%) | 3(13.6%)  | 0       | 0       |  |  |  |  |
| Amylase increased0 $1(6.25\%)$ $1(4.5\%)$ 00Arthralgia0 $1(6.25\%)$ $1(4.5\%)$ 00Fatigue0 $1(6.25\%)$ $1(4.5\%)$ 00Hyperbilirubinaemia $1(33.3\%)$ 0 $1(4.5\%)$ 00Hyperbilirubinaemia $1(33.3\%)$ 0 $1(4.5\%)$ 00Hyperthyroidism*0 $1(6.25\%)$ $1(4.5\%)$ $1(4.5\%)$ $1(4.5\%)$ Lipase increased0 $1(6.25\%)$ $1(4.5\%)$ 00Myalgia0 $1(6.25\%)$ $1(4.5\%)$ 00Neutropenia#0 $1(6.25\%)$ $1(4.5\%)$ 00Pruritus0 $1(6.25\%)$ $1(4.5\%)$ 00ESR increased0 $1(6.25\%)$ $1(4.5\%)$ 00Tachycardia0 $1(6.25\%)$ $1(4.5\%)$ $1(4.5\%)$ $1(4.5\%)$ Vomiting0 $1(6.25\%)$ $1(4.5\%)$ $1(4.5\%)$ $1(4.5\%)$   | Decreased appetite                 | 1(33.3%) | 1(6.25%) | 2(9.1%)   | 0       | 0       |  |  |  |  |
| Arthralgia0 $1(6.25\%)$ $1(4.5\%)$ 00Fatigue0 $1(6.25\%)$ $1(4.5\%)$ 00Hyperbilirubinaemia $1(33.3\%)$ 0 $1(4.5\%)$ 00Hyperthyroidism*0 $1(6.25\%)$ $1(4.5\%)$ $1(4.5\%)$ $1(4.5\%)$ Lipase increased0 $1(6.25\%)$ $1(4.5\%)$ 00Myalgia0 $1(6.25\%)$ $1(4.5\%)$ 00Neutropenia#0 $1(6.25\%)$ $1(4.5\%)$ 00Pruritus0 $1(6.25\%)$ $1(4.5\%)$ 00ESR increased0 $1(6.25\%)$ $1(4.5\%)$ 00Tachycardia0 $1(6.25\%)$ $1(4.5\%)$ 00Thyroiditis*0 $1(6.25\%)$ $1(4.5\%)$ $1(4.5\%)$ $1(4.5\%)$ Vomiting0 $1(6.25\%)$ $1(4.5\%)$ $0$ 0   | Diarrhoea                          | 0        | 2(12.5%) | 2(9.1%)   | 0       | 0       |  |  |  |  |
| Fatigue0 $1(6.25\%)$ $1(4.5\%)$ 00Hyperbilirubinaemia $1(33.3\%)$ 0 $1(4.5\%)$ 00Hyperthyroidism*0 $1(6.25\%)$ $1(4.5\%)$ $1(4.5\%)$ $1(4.5\%)$ Lipase increased0 $1(6.25\%)$ $1(4.5\%)$ 00Myalgia0 $1(6.25\%)$ $1(4.5\%)$ 00Neutropenia#0 $1(6.25\%)$ $1(4.5\%)$ $1(4.5\%)$ 0Pruritus0 $1(6.25\%)$ $1(4.5\%)$ 00ESR increased0 $1(6.25\%)$ $1(4.5\%)$ 00Tachycardia0 $1(6.25\%)$ $1(4.5\%)$ 00Thyroiditis*0 $1(6.25\%)$ $1(4.5\%)$ $1(4.5\%)$ $1(4.5\%)$ Vomiting0 $1(6.25\%)$ $1(4.5\%)$ $0$ 0  | Amylase increased                  | 0        | 1(6.25%) | 1(4.5%)   | 0       | 0       |  |  |  |  |
| U $(33.3\%)$ $0$ $1(4.5\%)$ $0$ $0$ Hyperbilirubinaemia $1(33.3\%)$ $0$ $1(4.5\%)$ $0$ $0$ Hyperthyroidism* $0$ $1(6.25\%)$ $1(4.5\%)$ $1(4.5\%)$ $1(4.5\%)$ Lipase increased $0$ $1(6.25\%)$ $1(4.5\%)$ $0$ $0$ Myalgia $0$ $1(6.25\%)$ $1(4.5\%)$ $0$ $0$ Neutropenia# $0$ $1(6.25\%)$ $1(4.5\%)$ $1(4.5\%)$ $0$ Pruritus $0$ $1(6.25\%)$ $1(4.5\%)$ $0$ $0$ ESR increased $0$ $1(6.25\%)$ $1(4.5\%)$ $0$ $0$ Tachycardia $0$ $1(6.25\%)$ $1(4.5\%)$ $0$ $0$ Thyroiditis* $0$ $1(6.25\%)$ $1(4.5\%)$ $1(4.5\%)$ $1(4.5\%)$ Vomiting $0$ $1(6.25\%)$ $1(4.5\%)$ $0$ $0$  | Arthralgia                         | 0        | 1(6.25%) | 1(4.5%)   | 0       | 0       |  |  |  |  |
| Hyperthyroidism*0 $1(6.25\%)$ $1(4.5\%)$ $1(4.5\%)$ $1(4.5\%)$ Lipase increased0 $1(6.25\%)$ $1(4.5\%)$ 00Myalgia0 $1(6.25\%)$ $1(4.5\%)$ 00Neutropenia#0 $1(6.25\%)$ $1(4.5\%)$ $1(4.5\%)$ 0Pruritus0 $1(6.25\%)$ $1(4.5\%)$ 00ESR increased0 $1(6.25\%)$ $1(4.5\%)$ 00Tachycardia0 $1(6.25\%)$ $1(4.5\%)$ 00Thyroiditis*0 $1(6.25\%)$ $1(4.5\%)$ $1(4.5\%)$ $1(4.5\%)$ Vomiting0 $1(6.25\%)$ $1(4.5\%)$ $0$ 0   | Fatigue                            | 0        | 1(6.25%) | 1(4.5%)   | 0       | 0       |  |  |  |  |
| Lipase increased01(6.25%)1(4.5%)00Myalgia01(6.25%)1(4.5%)00Neutropenia#01(6.25%)1(4.5%)1(4.5%)0Pruritus01(6.25%)1(4.5%)00ESR increased01(6.25%)1(4.5%)00Tachycardia01(6.25%)1(4.5%)00Thyroiditis*01(6.25%)1(4.5%)1(4.5%)1(4.5%)Vomiting01(6.25%)1(4.5%)00   | Hyperbilirubinaemia                | 1(33.3%) | 0        | 1(4.5%)   | 0       | 0       |  |  |  |  |
| Myalgia0 $1(6.25\%)$ $1(4.5\%)$ 00Neutropenia#0 $1(6.25\%)$ $1(4.5\%)$ $1(4.5\%)$ 0Pruritus0 $1(6.25\%)$ $1(4.5\%)$ 00ESR increased0 $1(6.25\%)$ $1(4.5\%)$ 00Tachycardia0 $1(6.25\%)$ $1(4.5\%)$ 00Thyroiditis*0 $1(6.25\%)$ $1(4.5\%)$ $1(4.5\%)$ $1(4.5\%)$ Vomiting0 $1(6.25\%)$ $1(4.5\%)$ $0$ 0   | Hyperthyroidism*                   | 0        | 1(6.25%) | 1(4.5%)   | 1(4.5%) | 1(4.5%) |  |  |  |  |
| Neutropenia#0 $1(6.25\%)$ $1(4.5\%)$ $1(4.5\%)$ 0Pruritus0 $1(6.25\%)$ $1(4.5\%)$ 00ESR increased0 $1(6.25\%)$ $1(4.5\%)$ 00Tachycardia0 $1(6.25\%)$ $1(4.5\%)$ 00Thyroiditis*0 $1(6.25\%)$ $1(4.5\%)$ $1(4.5\%)$ $1(4.5\%)$ Vomiting0 $1(6.25\%)$ $1(4.5\%)$ $0$ $0$   | Lipase increased                   | 0        | 1(6.25%) | 1(4.5%)   | 0       | 0       |  |  |  |  |
| Pruritus         0         1(6.25%)         1(4.5%)         0         0           ESR increased         0         1(6.25%)         1(4.5%)         0         0           Tachycardia         0         1(6.25%)         1(4.5%)         0         0           Thyroiditis*         0         1(6.25%)         1(4.5%)         1(4.5%)         1(4.5%)           Vomiting         0         1(6.25%)         1(4.5%)         0         0   | Myalgia                            | 0        | 1(6.25%) | 1(4.5%)   | 0       | 0       |  |  |  |  |
| ESR increased01(6.25%)1(4.5%)00Tachycardia01(6.25%)1(4.5%)00Thyroiditis*01(6.25%)1(4.5%)1(4.5%)1(4.5%)Vomiting01(6.25%)1(4.5%)00  | Neutropenia#                       | 0        | 1(6.25%) | 1(4.5%)   | 1(4.5%) | 0       |  |  |  |  |
| Tachycardia01(6.25%)1(4.5%)00Thyroiditis*01(6.25%)1(4.5%)1(4.5%)1(4.5%)Vomiting01(6.25%)1(4.5%)00   | Pruritus                           | 0        | 1(6.25%) | 1(4.5%)   | 0       | 0       |  |  |  |  |
| Thyroiditis*01(6.25%)1(4.5%)1(4.5%)Vomiting01(6.25%)1(4.5%)00   | ESR increased                      | 0        | 1(6.25%) | 1(4.5%)   | 0       | 0       |  |  |  |  |
| Vomiting 0 1(6.25%) 1(4.5%) 0 0   | Tachycardia                        | 0        | 1(6.25%) | 1(4.5%)   | 0       | 0       |  |  |  |  |
|   | Thyroiditis*                       | 0        | 1(6.25%) | 1(4.5%)   | 1(4.5%) | 1(4.5%) |  |  |  |  |
| Weight decreased $0 = 1(6.25\%) = 1(4.5\%) = 0 = 0$   | Vomiting                           | 0        | 1(6.25%) | 1(4.5%)   | 0       | 0       |  |  |  |  |
|   | Weight decreased                   | 0        | 1(6.25%) | 1(4.5%)   | 0       | 0       |  |  |  |  |
| Not Coded 0 2(12.5%) 2(9.1%) 0 0  | Not Coded                          | 0        | 2(12.5%) | 2(9.1%)   | 0       | 0       |  |  |  |  |

- ABSK043 has good tolerance, with the maximum dose of 1000mg twice daily, and no DLT reported.
- No peripheral neuropathy events were found in all dose groups.
- There were no grade 4 or 5 adverse events in all dose groups.

\*This was a Gr3 immune-related thyroiditis with hyperthyroidism (leading to hospitalization) reported in one patient (400mg BID) who recovered after steroid therapy.

\*The patient from 1000mg BID experienced a Gr3 neutropenia in cycle 1 followed by recovering with dose interruption without additional medical intervention. Treatment re-started in cycle 3 at 800mg BID.

## ABSK131, Next-generation MTA-Cooperative PRMT5 Inhibitor



Abbisko Therapeutics Co., Ltd.



- Treatable **Population**
- 10~15% of all human cancers have MTAP deletion representing large unmedical needs
  - PRMT5\*MTA inhibition has shown to be synthetic lethal with MTAP deletion



Program

Status

- First generation PRMT5 inhibitors could not distinguish between PRMT5\*MTA or PRMT5 alone, thus lack of true synthetic lethal dependency with MTAP deletion and enough therapeutic window in clinic
- Development of selective PRMT5\*MTA inhibitor may improve therapeutic efficacy and safety



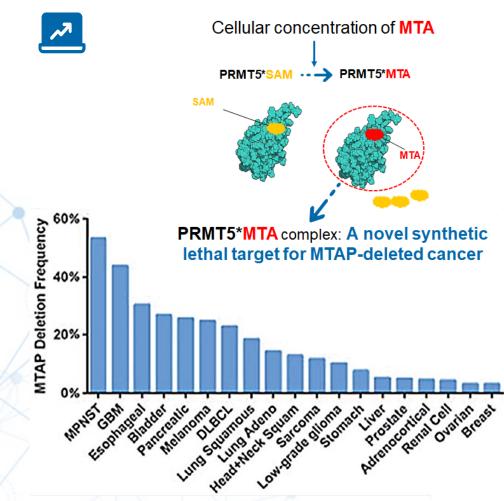
- A large sets of biology models and assays established to drive screening and SAR
  - Several candidate compounds have been identified with best-in-class potency, selectivity, in vivo efficacy, brain-penetrant and overall drug-like properties
  - IND filing of the first candidate expected in 2024



#### **High Unmet Medical Needs and Significant Business Value**

### MTAP gene deletions occur in 10-15%

#### of ALL human cancers



MRTX1719 potentially contributes more than **\$1Bn** value in recent BMS-Mirati acquisition deal!

Ulla Bristol Myers Squibb"

## Bristol Myers Squibb to Acquire Mirati Therapeutics

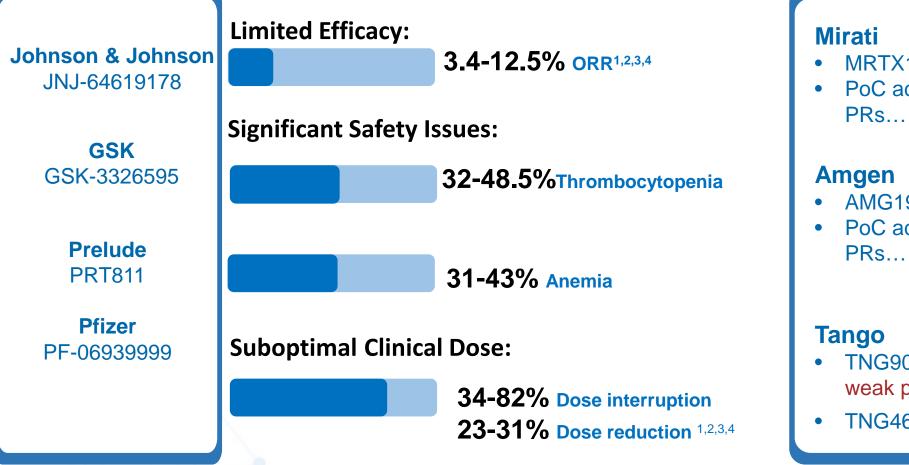


 $\label{eq:source:https://news.bms.com/news/corporate-financial/2023/Bristol-Myers-Squibb-Strengthens-and-Diversifies-Oncology-Portfolio-With-Acquisition-of-Mirati-Therapeutics/default.aspx?linkId=240202299$ 

## High Needs for 2<sup>nd</sup>-Generation PRMT5 Inhibitors (PRMT5\*MTAi)

#### **1st-gen PRMT5 Inhibitors**

could not distinguish between PRMT5\*MTA or PRMT5 alone



#### 2nd-gen Inhibitors

>>>

Selective PRMT5\*MTA inhibitor

- MRTX1719, not brain-penetrant
- PoC achieved in 2023Q2, 6/18 PRs…
- AMG193, not brain-penetrant?
- PoC achieved in 2023Q4, 5/18 PRs…

- TNG908, brain penetrant but weak potency and selectivity
- TNG462, not brain-penetrant



#### **ABSK131 Next-Generation PRMT5\*MTA Inhibitors**

| Company               | Asset     | Cellular Activity<br>(IC50, nM)* | MTAP – WT<br>Selectivity | CNS Penetration    |
|-----------------------|-----------|----------------------------------|--------------------------|--------------------|
| Abbisko               | ABSK131   | ~6                               | <b>&gt;30</b> ×          | Brain<br>Penetrant |
| AMGEN                 | AMG 193** | 20-100                           | >30×                     | Low?               |
| THERAPEUTICS*         | MRTX1719  | 20-30                            | >30×                     | Low                |
| TANGO<br>therapeutics | TNG908    | 250-300                          | 10~30×                   | Brain<br>Penetrant |
| TANCO<br>therapeutics | TNG462    | ~10ª                             | >30× <sup>b</sup>        | No                 |

<sup>a</sup>calculated from in house TNG908 data and reported potency difference between TNG908 and TNG462 <sup>b</sup>calculated from in house TNG908 data and reported selectivity difference between TNG908 and TNG462

\*Potency indicates anti-proliferation IC50 range from HCT116 MTAP del cell and RT112

**isko** 22

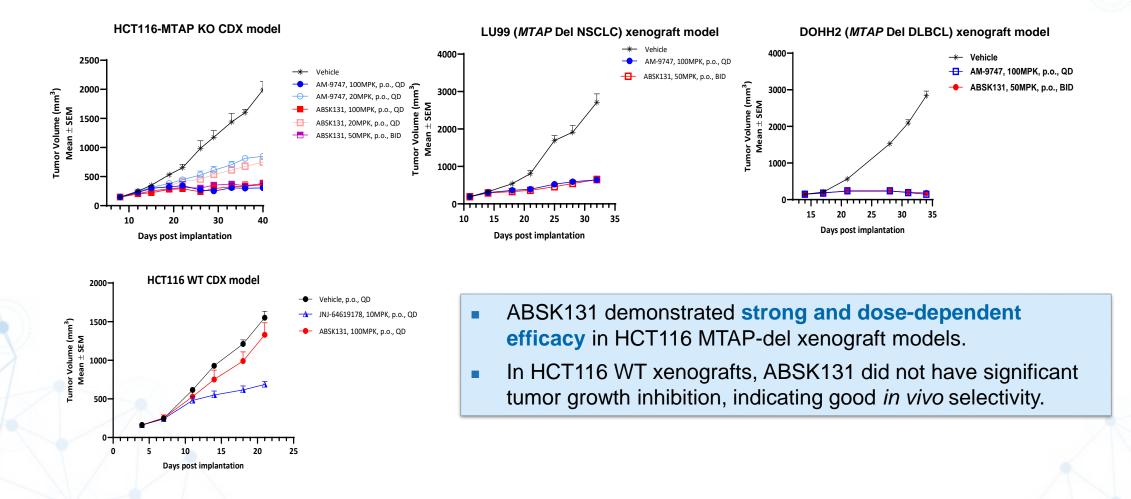
# ABSK131 Demonstrated Superior MTAP-Dependent Activity and Selectivity in Cellular Proliferation

Anti-proliferation in a panel of MTAP-WT and MTAP-Deletion (endogenous) cancer cell lines ABSK131 MTAP WT vs. MTAP Del of Absl IC50 (uM) 100-MTAP WT MTAP Del 10 Log MTAP WT MTAP Del Absl IC50 (uM) JNJ-64619178 0.1 Log of Absl IC50 (uM) 0.01--2-0.001 -3-MTAP WT ABSK131 MTAP Del

- ABSK131 demonstrated superior selectivity in a broader panel of MTAP-del cancer cell lines over MTAP-wt cell lines
- ABSK131 is more potent than AM-9747& MRTX1719 in a panel of endogenous MTAP-Del cancer cell lines

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#### ABSK131 Demonstrated Strong In Vivo Efficacy and Selectivity



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Confidential

# FGFR4 2L HCC/Oral PD-L1 Efficacy Data was Published at ESMO, as we continue to advance our planned milestones

| Pipeline                  | Target      | <b>Clinical Trial</b> | Stage        | Event  |              | 2023                            |
|---------------------------|-------------|-----------------------|--------------|--|--------------|---------------------------------|
| Clinical candic           | lates       |                       |              |  | Target       | Action                          |
|                           |             |                       |              | <ul> <li>US Pivotal Trial Design Approval</li> </ul>                                   | 1H           | Mar'23                          |
| Pimicotinib<br>(ABSK021)  | CSF-1R      | TGCT                  | Phase III    | ✓ Global MRCT Pivotal Trial to Start   | 1H           | Apr'23 CHN FPI<br>Jul'23 US FPI |
|                           |             |                       |              | <ul> <li>Extended Phase Ib Efficacy/Safety</li> </ul>                                  | Results 1H   | May'23 ASCO                     |
|                           |             | cGvHD                 | Phase II     | <ul> <li>Preliminary Data Readout</li> </ul>   | 2H           | Jun'23 FPI                      |
| Irpagratinib              | FGFR4       | 2L HCC, mono          | Phase Ib     | <ul> <li>Extended Efficacy/Safety Results<br/>2<sup>nd</sup> Dose Expansion</li> </ul> | Including 2H | Oct'23 ESMO                     |
| (ABSK011)                 |             | 1L/2L HCC, combo      | Phase II     | <ul> <li>Preliminary Data Readout</li> </ul>   | 2H           | 2H                              |
| Fexagratinib<br>(ABSK091) | Pan-FGFR    | 2L UC, mono           | Phase II     | <ul> <li>Extended Efficacy/Safety Results</li> </ul>                                   | 2H           | 2H                              |
| ABSK043                   | PD-L1       | Solid tumors          | Phase I      | <ul> <li>Preliminary Efficacy/Safety Result<br/>Readout</li> </ul>                     | s 2H         | Ocť23 ESMO                      |
| ABSK061                   | FGFR2/3     | Solid tumors          | Phase I      | <ul> <li>Preliminary Phase la Data</li> </ul>  | 2H           | 2H                              |
| ABSK121                   | FGFR mut.   | Solid tumors          | Phase I      | <ul><li>IND Approval in China</li><li>FPI</li></ul>                                    | 1H<br>2H     | Feb'23<br>2H                    |
| IND-enabling c            | andidates   |                       |              |  |              |                                 |
| ABSK051                   | CD73        | Multiple tumors       | IND-enabling | <ul> <li>IND Filing</li> </ul>   | 2H           | 2H                              |
| ABSK012                   | FGFR4 mut.  | RMS and/or HCC        | IND-enabling | <ul> <li>IND Filing</li> </ul>   | 1H           | 2H                              |
| ABSK112                   | EGFR Exon20 | NSCLC                 | Phase I      | ✓ IND Approval from FDA in US  | 2H           | Jul'23                          |
| ABSK131                   | PRMT5*MTA   | Multiple tumors       | IND-enabling | <ul> <li>IND Filing</li> </ul>   | 2024         | 2024                            |

# Thanks

Abbisko